## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 15 September 2005 (15.09,2005) (10) International Publication Number WO 2005/084198 A3

(51) International Patent Classification:

**A61K 38/04** (2006.01) **A61K 38/10** (2006.01) **A61K 38/08** (2006.01) **C07K 14/00** (2006.01)

(21) International Application Number:

PCT/US2005/005890

(22) International Filing Date:

25 February 2005 (25.02.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/547,848

27 February 2004 (27.02.2004) US

(71) Applicant (for all designated States except US): VAX-CONSULTING [FR/FR]; c/o ZAGURY, 117, rue Vieille du Temple, F-75003 Paris (FR).

- (71) Applicant (for SD only): GERAGHTY, Erin [US/US]; 6649 Cambria Terrace, Elkridge, Maryland 21075 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ZAGURY, Jean-Francois [FR/FR]; c/o ZAGURY, 117, rue Vieille du Temple, F-75003 Paris (FR). BOISSIER, Marie-Christophe [FR/FR]; 41, rue Madame, F-75006 Paris (FR). BESSIS, Natacha [FR/FR]; 73, Bld Voltaire, F-75011 Paris (FR).

- (74) Agents: BROWDY AND NEIMARK, P.L.L.C. et al.; 624 Ninth Street N.W., Suite 300, Washington, District of Columbia 20001-5303 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## **Published:**

with international search report

(88) Date of publication of the international search report: 4 May 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PEPTIDES OF IL1 BETA AND TNF ALPHA AND METHOD OF TREATMENT USING SAME

(57) Abstract: The present invention relates to peptides derived from the proinflammatory cytokines, interleukin-1 $\beta$ , (IL1 $\beta$ ) and tumor necrosis factor  $\alpha$ , (TNF $\alpha$ ), and their use in human or veterinary therapy, such as to generally treat diseases linked to the overproduction of IL1 $\beta$  or TNF $\alpha$  as well as acute or chronic inflammatory diseases, rheumatoid arthritis, septic shock, autoimmune diabetes, graft rejection in the host, etc.

